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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Application Number | 09/676,885 |
| Filing Date | September 29, 2000 |
| First Named Inventor | Mitchell D. Trott |
| Group Art Unit | 2821 |
| Examiner Name | Unassigned |
| Attorney Docket Number | 15685P026 |

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| Sheet | 1 | of | 2 |
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

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| 11/29/80 | 11/29/80 |
| 11/30/80 | 11/30/80 |

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PTO/SB/D6A (10-96)

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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Complete if Known | |
| | | | | Application Number | 09/676,885 |
| | | | | Filing Date | September 29, 2000 |
| | | | | First Named Inventor | Mitchell D. Trott |
| | | | | Group Art Unit | 2821 |
| | | | | Examiner Name | Not Yet Assigned |
| | | | | Attorney Docket Number | 1568SP026 |
| Sheet | 2 | of | 2 | | |

OTHER ART - NON PATENT LITERATURE DOCUMENTS

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| Examiner Signature |  | Date Considered |  |
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¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 09/676,885 |
| | | Filing Date | September 29, 2000 |
| | | First Named Inventor | Mitchell D. Trott |
| | | Art Unit | 2685 |
| | | Examiner Name | Pablo N. Tran |
| Sheet | 1 | of | 1 |
| | | Attorney Docket Number | 15685P026 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------|--------------------------------|---|---|---|
| Examiner Initials* | Cite No.† | Document Number | Publication Date or Issue Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code* (if known) | | | |
| [Handwritten marks] | 1 | US-6,236,839 | 05-22-2001 | Gu, et al. | |
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|--------------------------|-----------|-------------------------|---------------------------------|-----------------------------|---|---|
| Examiner Initials* | Cite No.† | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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(use as many sheets as necessary)

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| Application Number | 09/676,885 |
| Filing Date | September 29, 2000 |
| First Named Inventor | Mitchell D. Trott |
| Art Unit | 2682 |
| Examiner Name | Tuan A. Tran |
| Attorney Docket Number | 15685P026 |

Sheet **1** **of** **1**

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|---|---|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number - Kind Code* (if known) | Publication Date or Issue Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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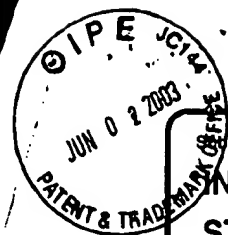
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*Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

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| Institute for form 1449A/PTO | | | Complete if Known | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Application Number | 09/676,885 | |
| | | | Filing Date | September 29, 2000 | |
| | | | First Named Inventor | Mitchell D. Trott | |
| | | | Art Unit | 2821 | |
| | | | Examiner Name | Not Yet Assigned | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 15685P026 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------|--------------------------------|---|---|---|
| Examiner Initials* | Cite No.* | Document Number | Publication Date or Issue Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code* (if known) | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------|---|-----------------------------|---|---|
| Examiner Initials* | Cite No.* | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Country Code* - Number* - Kind Code* (if known) | | | |
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| Examiner Signature | | Date Considered | |
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*Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/088 (10-01)
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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Complete if Known | | |
| | | | | Application Number | 09/676,885 | |
| Sheet | | 2 | of | 2 | Filing Date | September 29, 2000 |
| | | | | | First Named Inventor | Mitchell D. Trott |
| | | | | | Art Unit | 2821 |
| | | | | | Examiner Name | Not Yet Assigned |
| | | | | | Attorney Docket Number | 15685P026 |

| OTHER ART - NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
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| Group Art Unit | 2821 |
| Examiner Name | Not Yet Assigned |
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| First Named Inventor | Mitchell D. Trott |
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| Examiner Name | Unassigned |
| Attorney Docket Number | 15685P026 |

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| Sheet | 1 | of | 1 |
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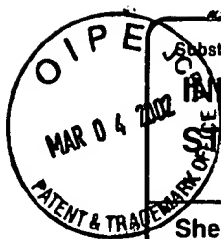
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FOREIGN PATENT DOCUMENTS

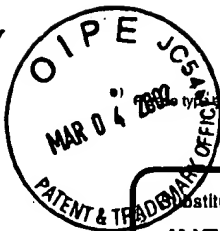
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| Sheet | 2 | of | 2 | | |

| OTHER ART - NON PATENT LITERATURE DOCUMENTS | | | |
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| gr | 1 | Farsakh et al., "A REAL TIME DOWNLINK CHANNEL ALLOCATION SCHEME FOR AN SDMA MOBILE RADIO SYSTEM," IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, Vol. 3, 10/18/96, pgs. 1215-1220. | |
| I | 2 | Farsakh et al., "CHANNEL ALLOCATION AND DOWNLINK BEAMFORMING IN AN SDMA MOBILE RADIO SYSTEM," PIMRC '95, Wireless: Merging onto the Information Superhighway, 6th IEEE International Symposium on Toronto, Ont., Canada, 9/27-29/95, pgs. 687-691. | |
| I | 3 | Gerlach et al., "BASE STATION TRANSMITTER ANTENNA ARRAYS WITH MOBILE TO BASE FEEDBACK," IEEE Asilomar Conference on Signals, Systems & Computers, 1993, pgs. 1432-1436. | |
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